



## Electronic Service Manuals

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PRICE

**\$3.00**

Beginning with  
Serial No. BE

**McGRAW-EDISON**

**Clarke®**

50904A-0

50903B-9 Belt

Ref.

509031

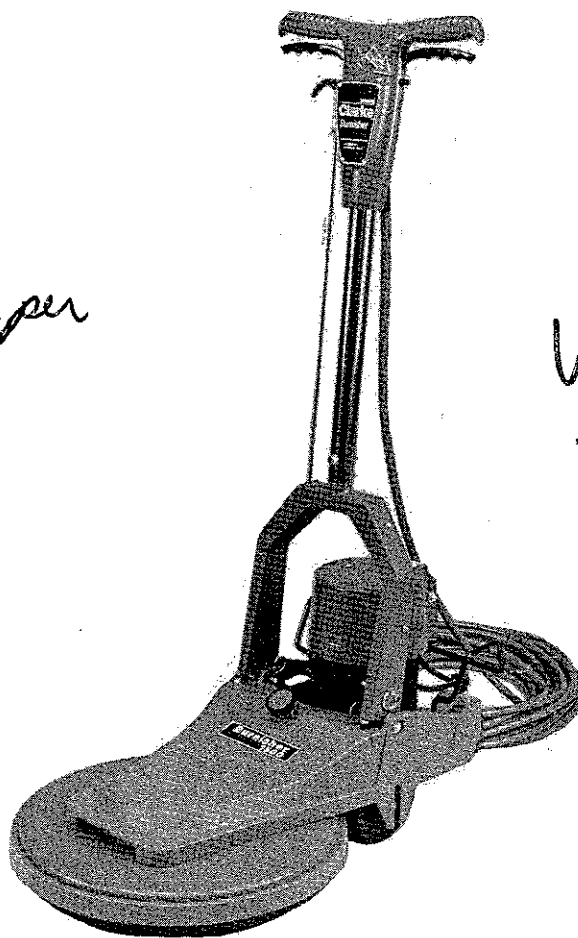
836707-0

Pin 2 per

WEIGHT KIT.

~~#6308A~~

WEIGHT 21400A



### READ THIS BOOK

This book has important information for the use and safe operation of this machine. Read this book carefully before starting the machine. Keep this book and tell all operators to read the book. If you do not follow the instructions, you can cause an injury, or damage equipment, furniture or buildings.

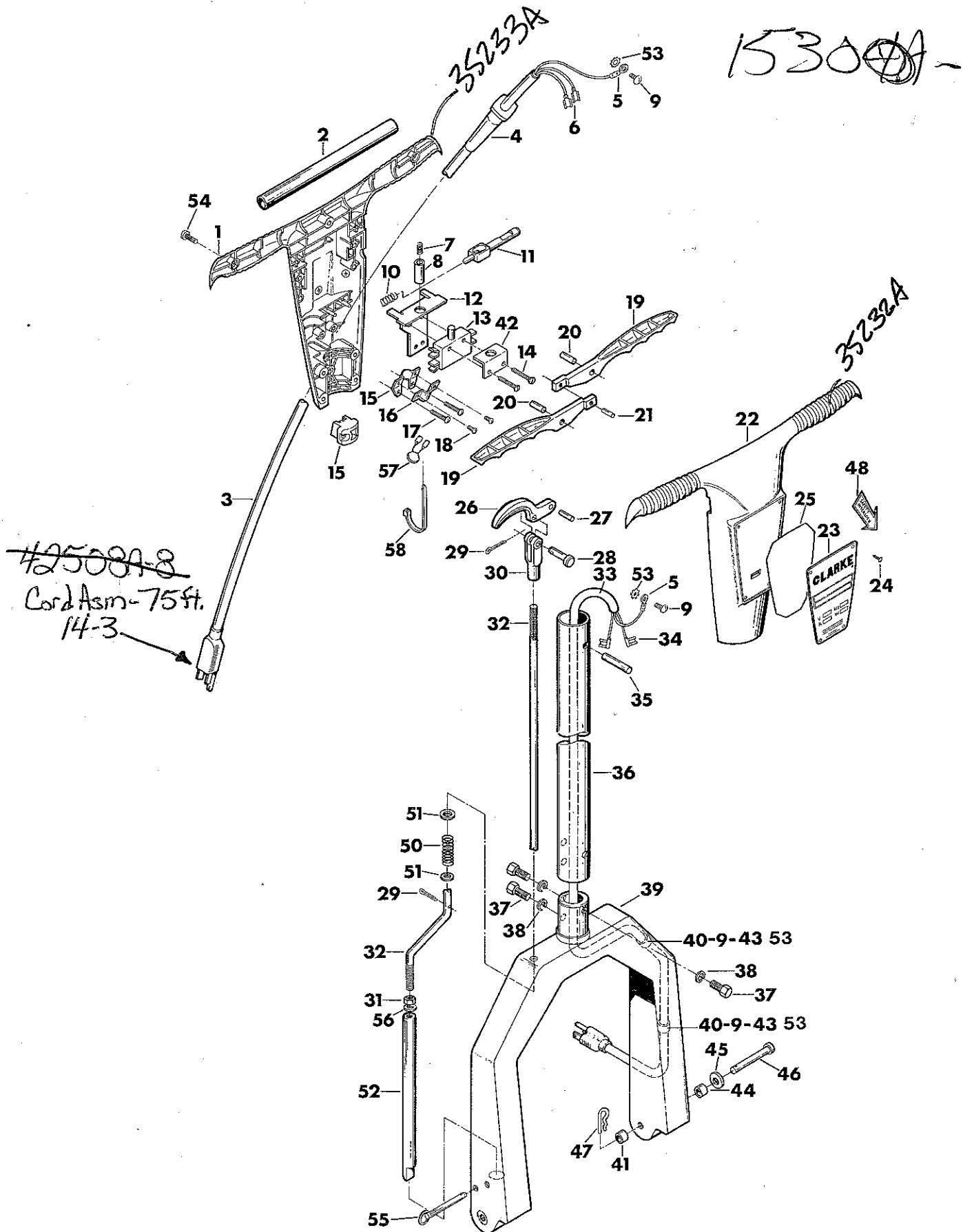
All directions given in this book are as seen from the operator's position at the rear of the machine.

For new books, write to: Clarke, A McGraw-Edison Co., 2800 Estes Street, Muskegon, Michigan 49441.

## Instruction Book and Parts List

## Model 1500 Burnisher

CLARKE® Model 1500 DCR  
Drawing #1 Handle Assembly 12/84

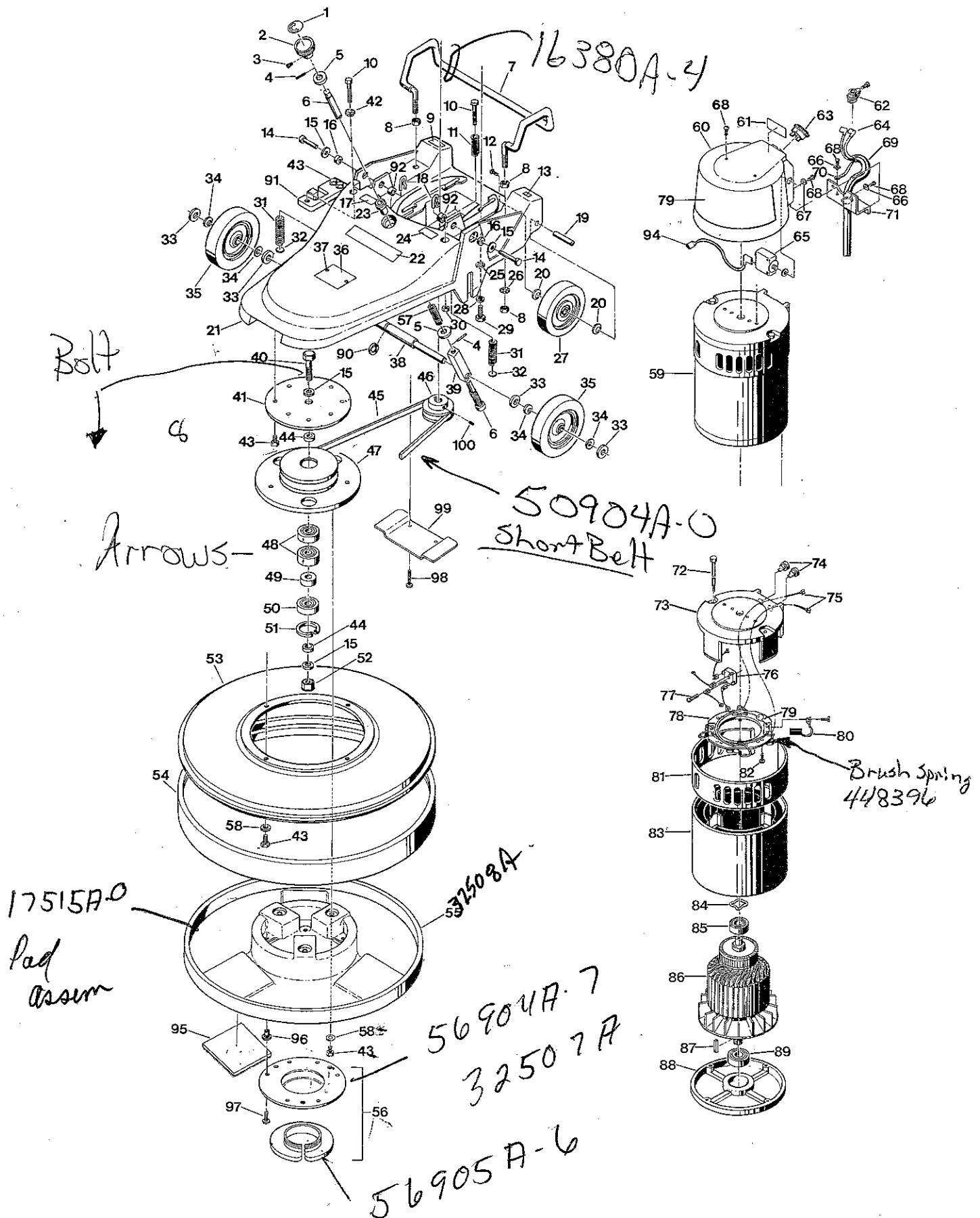


**CLARKE® Model 1500 DCR**  
**Parts List #1 Handle Assembly 12/84**

| Ref. No. | Code. No. | Description                       | No. Req'd. |
|----------|-----------|-----------------------------------|------------|
| 1        | 32306A-2  | Cover                             | 1          |
| 2        | 449061-1  | Tube                              | 1          |
| 3        | 42022A-4  | Cord Assembly - 120 V             | 1          |
| 4        | 437532-5  | Strain Relief - 120V              | 1          |
| 5        | 911933-0  | Terminal Clip                     | 2          |
| 6        | 912179-9  | Terminal Clip - 120V              | 2          |
| 7        | 768340-2  | Spring                            | 1          |
| 8        | 500241-5  | Adapter                           | 1          |
| 9        | 85307A-9  | Screw - 10-32 x 5/8 Pan           | 4          |
| 10       | 67900A-8  | Spring                            | 1          |
| 11       | 38001A-7  | Stop                              | 1          |
| 12       | 61124A-1  | Bracket                           | 1          |
| 13       | 911690-6  | Switch                            | 1          |
| 14       | 962212-7  | Screw - 6-32 x 7/8 Pn St          | 2          |
| 15       | 432032-1  | Clamp - Cord 120V                 | 1          |
| 16       | 432033-9  | Clamp - Cord                      | 1          |
| 17       | 962727-4  | Screw - #8-18 x 1/2 Lg. Pn - 120V | 2          |
| 18       | 962407-3  | Screw - 8-32 x 1/2 Rd St Sems     | 2          |
| 19       | 435131-8  | Lever                             | 2          |
| 20       | 446760-1  | Pin - Outer Pivot                 | 2          |
| 21       | 925599-3  | Pin - 5/32 x 1/2 Groove Type B    | 1          |
| 22       | 35202A-0  | Housing - Switch                  | 1          |
| 23       | 73905A-1  | Plate - Switch                    | 1          |
| 24       | 962282-0  | Screw - 0-00 x 3/16 Rd Hd Drive   | 4          |
| 25       | 43601A-1  | Insulator                         | 1          |
| 26       | 445167-0  | Lever                             | 1          |
| 27       | 925128-1  | Pin - 3/16 Dia. x 5/8 Lg. Dowel   | 1          |
| 28       | 696703-8  | Pin                               | 1          |
| 29       | 925575-3  | Pin - Cotter                      | 2          |

| Ref. No. | Code. No. | Description                      | No. Req'd. |
|----------|-----------|----------------------------------|------------|
| 30       | 699901-5  | Yoke - Latch Rod                 | 1          |
| 31       | 920064-3  | Nut - 1/4-28 Hex                 | 1          |
| 32       | 67103A-3  | Rod                              | 1          |
| 33       | 41907C-2  | Cord                             | 1          |
| 34       | 911594-0  | Terminal Clip                    | 2          |
| 35       | 925600-9  | Pin - 1/4 Dia. x 1-7/8 Lg. Dowel | 1          |
| 36       | 439060-5  | Tube                             | 1          |
| 37       | 962147-5  | Screw - 5/16-18 x 1/2 Hex Hd     | 3          |
| 38       | 980652-2  | Washer - 5/16 Lock               | 3          |
| 39       | 29400A-3  | Yoke                             | 1          |
| 40       | 812180-8  | Clip                             | 2          |
| 41       | 61401A-5  | Bushing - Yoke                   | Ref.       |
| 42       | 61108A-1  | Bracket                          | 1          |
| 43       | 920224-3  | Nut - 10-32 Hex                  | 2          |
| 44       | 61400A-6  | Bushing - Yoke                   | Ref.       |
| 45       | 980673-8  | Washer - 1/2 x 7/8 x 3/64        | Ref.       |
| 46       | 836709-6  | Pin                              | Ref.       |
| 47       | 766780-1  | Handle Lock                      | Ref.       |
| 48       | 445178-7  | Label - Interlock                | 1          |
| 49       |           |                                  |            |
| 50       | 878304-5  | Spring - Rod Return              | 1          |
| 51       | 980646-4  | Washer - 1/4 Plain               | 2          |
| 52       | 437460-9  | Rod                              | 1          |
| 53       | 980603-5  | Washer - #1110                   | 4          |
| 54       | 962936-1  | Screw - 13-16 x 3/4 Pn St HiLo   | 9          |
| 55       | 836707-0  | Release Pin                      | 1          |
| 56       | 980614-2  | Washer - #1114 Shakeproof        | 1          |
| 57       | 16409A-1  | Varistor Assembly                | 1          |
| 58       | 899254-7  | Wire Tie                         | 1          |

CLARKE® Model 1500 DCR  
Drawing #2 Main Frame Assembly 12/84

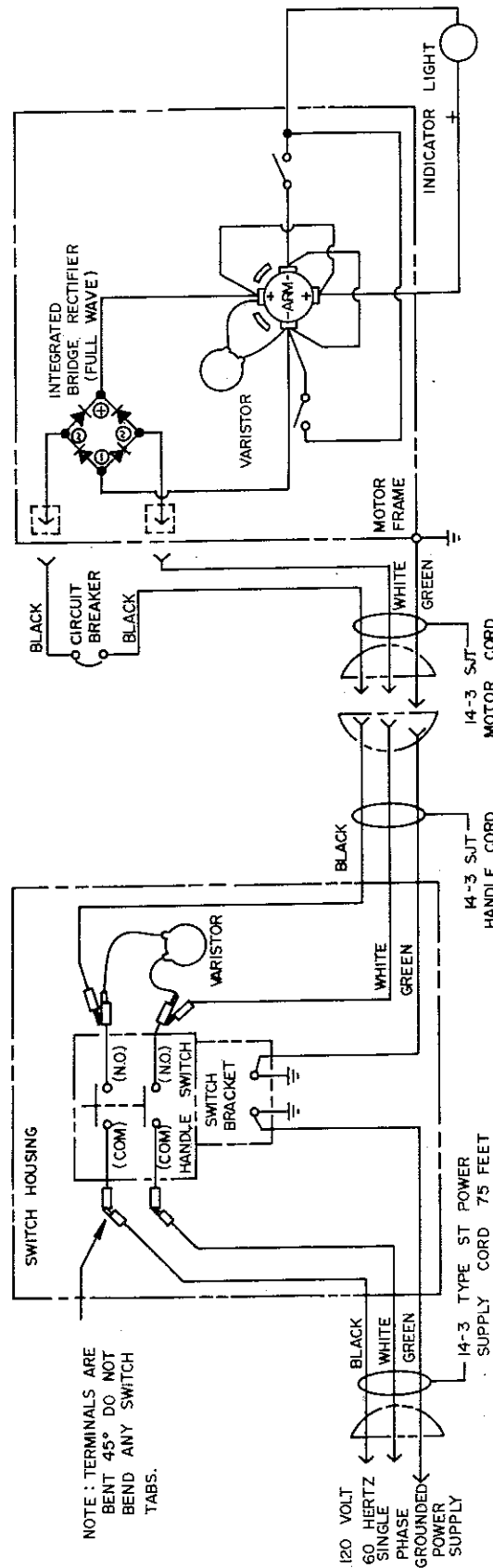


**CLARKE® Model 1500 DCR**  
**Parts List #2 Main Frame Assembly 12/84**

| Ref. No. | Code No. | Description                      | No. Req'd. |
|----------|----------|----------------------------------|------------|
| 1        | 435162-3 | Label - Pad Leveling             | 1          |
| 2        | 745080-2 | Knob                             | 1          |
| 3        | 85307A-9 | Screw - 10-32 x 5/8 Pn St        | 1          |
| 4        | 925550-6 | Pin - 1/8 x 1 Roll               | 2          |
| 5        | 980615-9 | Washer - 7/16 I.D. Flat          | 2          |
| 6        | 67408A-5 | Shaft                            | 1          |
| 7        | 67102A-4 | Rod                              | 1          |
| 8        | 920148-4 | Nut - 3/8-16 Hex Jam             | 4          |
| 9        | 805160-9 | Label - Inspection               | 1          |
| 10       | 85801A-0 | Screw - 1/4-20 x 2-1/4 Hex       | 2          |
| 11       | 778367-3 | Spring                           | 1          |
| 12       | 962379-4 | Screw - 1/4-20 x 1-1/4 Soc       | 2          |
| 13       | 215108-2 | Label - Mfg. Date                | 1          |
| 14       | 836709-6 | Pin                              | 2          |
| 15       | 980673-8 | Washer - 1/2 Plain               | 4          |
| 16       | 61400A-6 | Bushing                          | 2          |
| 17       | 215110-8 | Label - Caution (Spanish)        | 1          |
| 18       | 766780-1 | Pin - Lock                       | 2          |
| 19       | 437760-2 | Shaft                            | 2          |
| 20       | 980680-3 | Washer - Wave                    | 4          |
| 21       | 34002B-3 | Main Frame                       | 1          |
| 22       | 73231A-6 | Label - Burnisher                | 1          |
| 23       | 431160-1 | Bushing                          | 1          |
| 24       | 215103-3 | Label - Caution                  | 1          |
| 25       | 980629-0 | Washer - Plain 5/16              | 4          |
| 26       | 980666-2 | Washer - Shakeproof              | 2          |
| 27       | 419704-2 | Wheel - 4"                       | 2          |
| 28       | 980638-1 | Washer - 3/8 Lock                | 4          |
| 29       | 962100-4 | Screw - 3/8-16 x 7/8 Hex         | 4          |
| 30       | 920208-6 | Nut - 1/4-20 Hex                 | 1          |
| 31       | 898359-5 | Spring                           | 2          |
| 32       | 431162-7 | Bushing                          | 2          |
| 33       | 980099-6 | Washer - Motor Mounting          | 4          |
| 34       | 980681-1 | Wave Washer                      | 4          |
| 35       | 439760-0 | Wheel - 5"                       | 2          |
| 36       | 446303-0 | Plate - Warning                  | 1          |
| 37       | 930074-0 | Rivet - 1/8 Diameter             | 2          |
| 38       | 67406A-7 | Shaft                            | 1          |
| 39       | 66906A-4 | Bracket                          | 1          |
| 40       | 961010-6 | Screw - Sheave Mounting          | 1          |
| 41       | 66620A-9 | Plate                            | 1          |
| 42       | 980614-2 | Washer - Shakeproof #1114        | 1          |
| 43       | 962557-5 | Screw - 1/4-20 x 3/4 Hex St Sems | 15         |
| 44       | 438261-0 | Spacer - Sheave                  | 2          |
| 45       | 50903A-1 | Belt - Drive                     | 1          |
| 46       | 66109A-9 | Pulley                           | 1          |
| 47       | 27302A-6 | Sheave                           | 1          |
| 48       | 902733-5 | Bearing - Set of Two             | 1          |
| 49       | 438262-8 | Spacer                           | 1          |
| 50       | 902659-2 | Bearing                          | 1          |

| Ref. No. | Code No. | Description                         | No. Req'd. |
|----------|----------|-------------------------------------|------------|
| 51       | 857301-6 | Retaining Ring                      | 1          |
| 52       | 920365-4 | Nut - 1/2-13 Elastic Stop           | 1          |
| 53       | 67500B-0 | Shield - 20"                        | 1          |
| 54       | 441296-1 | Bumper - 20"                        | 1          |
| 55       | 32507A-9 | Pad Driver                          | 1          |
| 56       | 15502A-9 | Holder                              | 1          |
| 57       | 438360-0 | Spring                              | 2          |
| 58       | 980646-4 | Washer - 1/4 Plain                  | 7          |
| 59       | 44701B-6 | Motor - 120V                        | 1          |
| 60       | 32322A-2 | Cover                               | 1          |
| 61       | 445194-4 | Label - Motor Brushes               | 1          |
| 62       | 437561-4 | Strain Relief                       | 1          |
| 63       | 44201A-3 | Light Assembly - 120V               | 1          |
| 64       | 911594-0 | Coupler                             | 2          |
| 65       | 41408A-0 | Circuit Breaker                     | 1          |
| 66       | 980603-5 | Washer - #1110 Shakeproof           | 3          |
| 67       | 980982-3 | Washer - #10 Plain                  | 2          |
| 68       | 962350-5 | Screw - 10-32 x 1/2 Pn Hd           | 7          |
| 69       | 41908B-3 | Cord                                | 1          |
| 70       | 911933-0 | Terminal Clip                       | 1          |
| 71       | 430867-2 | Bracket                             | 1          |
| 72       | 960142-8 | Bolt                                | 2          |
| 73       | 430862-3 | Bracket                             | 1          |
| 74       | 441195-5 | Bushing                             | 2          |
| 75       |          | Leads - Rect. Asm.                  | 2          |
| 76       | 912224-3 | Rectifier Assembly - 120V           | 1          |
| 77       | 962713-4 | Screw - Mounting                    | 1          |
| 78       | 441396-9 | Brush Board Assembly - 120V         | 1          |
| 79       | 73233A-4 | Label                               | 1          |
| 80       | 440995-9 | Brush Assembly - 120V               | 4          |
| 81       | 442395-0 | Brush Band Cover                    | 1          |
| 82       | 962730-8 | Brush Bd. Scr. - 10-24 x 1/2 Type F | 5          |
| 83       | 433160-9 | Field Assembly - 120V               | 1          |
| 84       | 980076-4 | Washer - Helical                    | 1          |
| 85       | 902550-3 | Bearing - B.E.                      | 1          |
| 86       | 430460-6 | Arm Assembly - 120V                 | 1          |
| 87       | 915580-5 | Key                                 | 1          |
| 88       | 436462-6 | Plate                               | 1          |
| 89       | 902547-9 | Bearing - B.E.                      | 1          |
| 90       | 857345-3 | Retaining Ring                      | 2          |
| 91       | 26501A-7 | Striker Plate                       | 1          |
| 92       | 61401A-5 | Bushing                             | 2          |
| 93       | 920296-1 | Nut - 10-24 Elastic Stop Nut        | 1          |
| 94       | 49300A-2 | Wire Breaker Lead                   | 1          |
| 95       | 56906A-5 | Pad - Driver                        | 3          |
| 96       | 81801A-9 | Nut - Well                          | 6          |
| 97       | 962407-3 | Screw - 8-32 x 1/2 Rd Sems          | 6          |
| 98       | 962957-7 | Screw - 10-16 x 1/2 Pn St Hi-Lo     | 2          |
| 99       | 63903A-4 | Guard - Belt                        | 1          |
| 100      | 962103-8 | Screw - 5/16-18 x 3/8 Set           | 1          |

CLARKE® Model 1500 DCR  
Drawing #3 Wiring Diagram 12/84



**⚠ WARNING: All electrical repairs must be performed by qualified personnel only.**